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## SEQUENCE LISTING

107	$fO_{\epsilon}$	(1) GENE	RAL INFOR	MATION:													
, ,	• 5	(i)	APPLICAN	T: Maga Dela			ı M.										
	10	(ii)	TITLE OF HEARI	INVENT NG LOSS										:NG			
		(iii)	NUMBER O	F SEQUE	NCES:	: 5											
	15	(iv)	(B) STR (C) CIT (D) STA	RESSEE: EET: One Y: Thous TE: Cal:	Amge e Amç sand iforr	en Ir gen ( Oaks	Cente	er Di	rive								
	20		(E) COUNTRY: USA (F) ZIP: 91320-1789														
	25	(v)	(B) COM (C) OPE	READABI IUM TYPI PUTER: : RATING : TWARE: :	E: F] IBM I SYSTE	loppy PC cc EM: E	mpat C-DC	ible S/MS	S-DOS		ersio	on #1	L.30				
	30	(vi)	(B) FIL	APPLICA' LICATION ING DAT SSIFICA'	N NUN E: 29	MBER:	US	8									
6,614 fl.,18 fl.,28 fl., 15,78 fl.,28	35	(vii)		PLICATIO LICATION ING DAT	NUN N	MBER:			)5418	34							
	40	(viii)	(B) REG	/AGENT : E: Curr ISTRATIONELLI	y, Da JN NC	aniel JMBEF	.R. R: 32										
		(2) INFO	RMATION F	OR SEQ	ID NO	0:1:											
	45	(i)	(B) TYP	CHARAC' GTH: 10: E: amino ANDEDNE	2 ami	ino a id	acids	5									
	50			OLOGY:													
			MOLECULE						4								
			SEQUENCE							7 ~~~	C1.,	Lou	C1.,	17 n l	7 ~~		
	55.	Ala 1	Arg Leu	GIY AIA 5	Arg	PIO	Cys	GIY	10	Arg	GIU	Leu	GIU	15	Arg		
		Val	Ser Glu	Leu Gly 20	Leu	Gly	Tyr	Ala 25	Ser	Asp	Glu	Thr	Val	Leu	Phe		
	60	Arg	Tyr Cys	Ala Gly	Ala	Cys	Glu 40	Ala	Ala	Ala	Arg	Val 45	Tyr	Asp	Leu		
	65	Gly	Leu Arg 50	Arg Leu	Arg	Gln 55	Arg	Arg	Arg	Leu	Arg 60	Arg	Glu	Arg	Val		

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		Arg 65	Ala	Gln	Pro	Cys	Cys 70	Arg	Pro	Thr	Ala	Tyr 75	Glu	Asp	Glu	Val	Ser 80
5		Phe	. Leu	Asp	Ala	His 85	Ser	Arg	Tyr	His	Thr 90	Val	His	Glu	Leu	Ser 95	Ala
10		Arg	Glu	Cys	Ala 100	Суѕ	Val										
	(2)	INFO	RMAT	I NOI	FOR :	SEQ :	ID NO	0:2:									
15		<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 100 amino acids</li> <li>(B) TYPE: amino acid</li> <li>(C) STRANDEDNESS: single</li> <li>(D) TOPOLOGY: linear</li> </ul>															
20		(ii) MOLECULE TYPE: protein															
20		(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:															
25		Pro 1	Gly	Ala	Arg	Pro 5	Cys	Gly	Leu	Arg	Glu 10	Leu	Glu	Val	Arg	Val 15	Ser
23		Glu	Leu	Gly	Leu 20	Gly	Tyr	Thr	Ser	Asp 25	Glu	Thr	Val	Leu	Phe 30	Arg	Tyr
30		Cys	Ala	Gly 35	Ala	Cys	Glu	Ala	Ala 40	Ile	Arg	Ile	Tyr	Asp 45	Leu	Gly	Leu
		Arg	Arg 50	Leu	Arg	Gln	Arg	Arg 55	Arg	Val	Arg	Arg	Glu 60	Arg	Ala	Arg	Ala
35		His 65	Pro	Cys	Cys	Arg	Pro 70	Thr	Ala	Tyr	Glu	Asp 75	Glu	Val	Ser	Phe	Leu 80
40		Asp	Val	His	Ser	Arg 85	Tyr	His	Thr	Leu	Gln 90	Glu	Leu	Ser	Ala	Arg 95	Glu
10		Cys	Ala	Cys	Val 100												
45	(2)	INFO	RMAT	I NOI	FOR S	SEQ :	ID N	0:3:									
		(i)	(A (B	UENCI	NGTH PE: 1	: 31:	2 bas	se pa acid	airs		•						
50				() STI					ıe								
		(ii)	MOL	ECUL	E TY	PE:	DNA	(gen	omic	)							
55		(ix)	( A	TURE ) NAI ) LO	ME/K			09									
60		(xi)	SEQ	UENC	E DE	SCRI	PTIO	N: S	EQ I	D NO	:3:						
		GCA	CGT	CTG	GGT (	GCT	CGT (	CCG	TGT	GGT	CTG	CGT	GAA	CTG	GAA	GTT	
65	48 Met 1	Ala	Arg	Leu	Gly . 5	Ala	Arg	Pro	Cys	Gly 10	Leu .	Arg	Glu	Leu	Glu 15	Val	



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	CGT 96	GTT	TCC	GAA	CTG	GGT	CTG	GGT	TAC	GCT	TCC	GAC	GAA	ACC	GTT	CTG
5		Val	Ser	Glu 20	Leu	Gly	Leu	Gly	Tyr 25	Ala	Ser	Asp	Glu	Thr 30	Val	Leu
	TTC 144	CGT	TAC	TGT	GCA	GGT	GCT	TGT	GAA	GCA	GCT	GCA	CGT	GTT	TAC	GAC
10		Arg	Tyr 35	Cys	Ala	Gly	Ala	Cys 40	Glu	Ala	Ala	Ala	Arg 45	Val	Tyr	Asp
	CTG 192	GGT	CTG	CGT	CGC	CTG	CGT	CAG	CGC	CGT	CGC	CTG	CGT	CGC	GAA	CGT
15		Gly 50	Leu	Arg	Arg	Leu	Arg 55	Gln	Arg	Arg	Arg	Leu 60	Arg	Arg	Glu	Arg
	GTT 240	CGC	GCA	CAG	CCG	TGT	TGC	CGT	CCG	ACC	GCA	TAC	GAA	GAC	GAA	GTT
20		Arg	Ala	Gln	Pro	Cys 70	Cys	Arg	Pro	Thr	Ala 75	Tyr	Glu	Asp	Glu	Val 80
	TCC 288	TTC	CTG	GAC	GCT	CAC	TCC	CGT	TAC	CAC	ACC	GTT	CAC	GAA	CTG	TCC
25		Phe	Leu	Asp	Ala 85	His	Ser	Arg	Tyr	His 90	Thr	Val	His	Glu	Leu 95	Ser
	GCA 312	CGT	CAC	TGT	GCG	TGT	GTT	TAA								
30		Arg	His	Cys 100	Ala	Cys	Val				•					
	(2)	INFO	ORMAT	NOI	FOR	SEQ	ID N	NO:4:	:							
35	- · · ·															
40		į)	Li) N	OLEC	CULE	TYPE	E: pı	rotei	n							
		()	ki) S	SEQUE	ENCE	DESC	CRIPT	NOI?	SEÇ	) ID	NO:4	1:				
45	Met 1	Ala	Arg	Leu	Gly 5	Ala	Arg	Pro	Cys	Gly 10	Leu	Arg	Glu	Leu	Glu 15	Val
	Arg	Val	Ser	Glu 20	Leu	Gly	Leu	Gly	Tyr 25	Ala	Ser	Asp	Glu	Thr 30	Val	Leu
50	Phe	Arg	Tyr 35	Cys	Ala	Gly	Ala	Cys 40	Glu	Ala	Ala	Ala	Arg 45	Val	Tyr	Asp
55	Leu	Gly 50	Leu	Arg	Arg	Leu	Arg 55	Gln	Arg	Arg	Arg	Leu 60	Arg	Arg	Glu	Arg
55	Val 65	Arg	Ala	Gln	Pro	Cys 70	Cys	Arg	Pro	Thr	Ala 75	Tyr	Glu	Asp	Glu	Val 80
60	Ser	Phe	Leu	Asp	Ala 85	His	Ser	Arg	Tyr	His 90	Thr	Val	His	Glu	Leu 95	Ser
	Ala	Arg	His	Cys 100	Ala	Cys	Val									

(2) INFORMATION FOR SEQ ID NO:5:

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5	(i)	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 197 amino acids  (B) TYPE: amino acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear														
	(ii)	MOLECULE TYPE: protein														
10																
	(xi)	SEQ	SEQUENCE DESCRIPTION: SEQ ID NO:5:													
15	Met 1	Gln	Arg	Trp	Lys 5	Ala	Ala	Ala	Leu	Ala 10	Ser	Val	Leu	Cys	Ser 15	Ser
20	Val	Leu	Ser	Ile 20	Trp	Met	Cys	Arg	Glu 25	Gly	Leu	Leu	Leu	Ser 30	His	Arç
20	Leu	Gly	Pro 35	Ala	Leu	Val	Pro	Leu 40	His	Arg	Leu	Pro	Arg 45	Thr	Leu	Asp
25	Ala	Arg 50	Ile	Ala	Arg	Leu	Ala 55	Gln	Tyr	Arg	Ala	Leu 60	Leu	Gln	Gly	Ala
	Pro 65	Asp	Ala	Met	Glu	Leu 70	Arg	Glu	Leu	Thr	Pro 75	Trp	Ala	Gly	Arg	Pro 80
30	Pro	Gly	Pro	Arg	Arg 85	Arg	Ala	Gly	Pro	Arg 90	Arg	Arg	Arg	Ala	Arg 95	Ala
35	Arg	Leu	Gly	Ala 100	Arg	Pro	Cys	Gly	Leu 105	Arg	Glu	Leu	Glu	Val 110	Arg	Val
33	Ser	Glu	Leu 115	Gly	Leu	Gly	Tyr	Ala 120	Ser	Asp	Glu	Thr	Val 125	Leu	Phe	Arg
40	Tyr	Cys 130	Ala	Gly	Ala	Cys	Glu 135	Ala	Ala	Ala	Arg	Val 140	Tyr	Asp	Leu	Gly
	Leu 145	Arg	Arg	Leu	Arg	Gln 150	Arg	Arg	Arg	Leu	Arg 155	Arg	Glu	Arg	Val	Arc 160
45	Ala	Gln	Pro	Суѕ	Cys 165	Arg	Pro	Thr	Ala	Туг 170	Glu	Asp	Glu	Val	Ser 175	Phe
5.0	Leu	Asp	Ala	His 180	Ser	Arg	Tyr	His	Thr 185	Val	His	Glu	Leu	Ser 190	Ala	Arc
50	Glu	Суѕ	Ala 195	Суѕ	Val											

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